

9 18 27 36 45 54
 5' NGA ACT CTA ATA CGA GCA CTA TAG GGA AAG CTG GTA GCC TGC AGG TAC CGG TCC

63 72 81 90 99 108
 GGA ATT CCC GGG TCG ACC CAC GCG TCC GCC GTG CCC TTG GGG CTC CGT GTC CTG

117 126 135 144 153 162
 CTG TCT TTC CGT CCG CTG CCT AGT CTG CAT CTG AGT AAC ATG GCG GCG GCG GCG
 M A A A A

171 180 189 198 207 216
 GTA GCC AGG CTG TGG TGG CGC GGG ATC TTG GGG GCC TCG GCG CTG ACC AGG GGG
 V A R L W W R G I L G A S A L T R G

225 234 243 252 261 270
 ACT GGG CGA CCC TCC GTT CTG TTG CTG CCG GTG AGG CGG GAG AGC GCC GGG GCC
 T G R P S V L L L P V R R E S A G A

279 288 297 306 315 324
 GAC ACG CGC CCC ACT GTC AGA CCA CGG AAT GAT GTG GCC CAC AAG CAG CTC TCA
 D T R P T V R P R N D V A H K Q L S

333 342 351 360 369 378
 GCT TTT GGA GAG TAT GTG GCT GAA ATC TTG CCC AAG TAT GTC CAA CAA GTT CAG
 A F G E Y V A E I L P K Y V Q Q V Q

387 396 405 414 423 432
 GTG TCC TGC TTC AAT GAG TTA GAG GTC TGT ATC CAT CCT GAT GGC GTC ATC CCA
 V S C F N E L E V C I H P D G V I P

441 450 459 468 477 486
 GTG CTG ACT TTC CTC AGG GAT CAC ACC AAT GCA CAG TTC AAA TCT CTG GTT GAC
 V L T F L R D H T N A Q F K S L V D

495 504 513 522 531 540
 TTG ACA GCA GTG GAC GTC CCA ACT CGG CAA AAC CGT TTT GAG ATT GTC TAC AAC
 L T A V D V F T R Q N R F E I V Y N

549 558 567 576 585 594
 CTG TTG TCT CTG CGC TTC AAC TCA CGG ATC CGT GTG AAG ACC TAC ACA GAT GAG
 L L S L R F W S R I R V K T Y T D E

FIGURE 1A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

CTG	ACG	CCC	ATT	GAG	TCT	GCT	GTC	TCT	GTG	TTC	AAG	GCA	GCC	AAC	TGG	TAT	GAA
L	T	P	I	E	S	A	V	S	V	F	K	A	A	N	W	Y	E
603 612 621 630 639 648																	
AGG	GAG	ATC	TGG	GAC	ATG	TTT	GGA	GTC	TTC	TTT	GCT	AAC	CAC	CCT	GAT	CTA	AGA
R	E	I	W	D	M	F	G	V	F	F	A	N	H	P	D	L	R
657 666 675 684 693 702																	
AGG	ATC	CTG	ACA	GAT	TAT	GGC	TTC	GAG	GGA	CAT	CCT	TTC	CGG	AAA	GAC	TTT	CCT
R	I	L	T	D	Y	G	F	E	G	H	P	F	R	K	D	F	P
711 720 729 738 747 756																	
CTA	TCT	GGC	TAT	GTT	GAG	TTA	CGT	TAT	GAT	GAT	GAA	GTG	AAG	CGT	GTG	GTG	GCA
L	S	G	Y	V	E	L	R	Y	D	D	E	V	K	R	V	V	A
765 774 783 792 801 810																	
GAG	CCG	GTG	GAG	TTG	GCC	CAA	GAG	TTC	CGC	AAA	TTT	GAC	CTG	AAC	AGC	CCC	TGG
E	P	V	E	L	A	Q	E	F	R	K	F	D	L	N	S	P	W
819 828 837 846 855 864																	
GAG	GCT	TTC	CCA	GTC	TAT	CGC	CAA	CCC	CCG	GAG	AGT	CTC	AAG	CTT	GAA	GCC	GGA
E	A	F	P	V	Y	R	Q	P	P	E	S	L	K	L	E	A	G
873 882 891 900 909 918																	
GAC	AAG	AAG	CCT	GAT	GCC	AAG	TAG	CTC	CAG	GGA	ACG	CAT	GTG	GAT	CCT	AGA	CAG
D	K	K	P	D	A	K											
927 936 945 954 963 972																	
CGC	CTT	ATC	TAT	GAT	TGA	GTG	TCC	GTG	TAA	ATA	AAT	TCC	TAC	TTA	GAC	TTA	C 3'
981 990 999 1008 1017																	

FIGURE 1B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

5' NCC AAG ATG TCG TTC CCA AAG TAT AAG CCG TCG AGC CTG CGC ACT CTG CCT GAG
 9 18 27 36 45 54
 M S F P K Y K P S S L R T L P E

ACC CTC GAC CCA GCC GAA TAC AAC ATA TCT CCG GAA ACC CGG CGG GCG CAA GCG
 T L D P A E Y N I S P E T R R A Q A
 63 72 81 90 99 108

GAG CGG TTG GCC ATA AGA GCC CAG CTG AAA CGA GAG TAC CTG CTT CAG TAC AAC
 E R L A I R A Q L K R E Y L L Q Y N
 117 126 135 144 153 162

GAT CCC AAC CGC CGA GGG CTC ATC GAA AAT CCT GCC TTG CTT CGT TGG GCC TAT
 D P N R R G L I E N P A L L R W A Y
 171 180 189 198 207 216

GCA AGA ACA ATA AAT GTC TAT CCT AAT TTC AGA CCC ACT CCT AAA AAC TCA CTC
 A R T I N V Y P N F R P T P K N S L
 225 234 243 252 261 270

ATG GGA GCT CTG TGT GGA TTT GGG CCC CTC ATC TTC ATT TAT TAT ATT ATC AAA
 M G A L C G F G P L I F I Y Y I I K
 279 288 297 306 315 324

ACT GAG AGG GAT AGG AAA GAA AAA CTT ATC CAG GAA GGA AAA TTG GAT CGA ACA
 T E R D R K E K L I Q E G K L D R T
 333 342 351 360 369 378

TTT CAC CTC TCA TAT TAA GTC TGG CAA TGA TGA CTA TAT GTA TTC CTG CCT AAA
 F H L S Y
 387 396 405 414 423 432

TAA ATC ATC TAT TAA TCA TT 3'
 441 450

FIGURE 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

9 18 27 36 45 54
 5' CGC AGA GGA GGA GGA GAA AGC TGA CCG CTT AGG CCC GGG TAG TGG TCG TCG TGG

 63 72 81 90 99 108
 TTT TCC TTG TAG TTC GTG GTC TGA GAC CAG GCC TCA AGT GGA AAC GGC GTC ACC

 117 126 135 144 153 162
 ATG ATC GCA CGG CGG AAC CCA GAA CCC TTA CGG TTT CTG CCG GAT GAG GCC CGG
 M I A R R N P E P L R F L P D E A R

 171 180 189 198 207 216
 AGC CTG CCC CCG CCC AAG CTG ACC GAC CCG CGG CTC CTC TAC ATC GGC TTC TTG
 S L P P P K L T D P R L L Y I G F L

 225 234 243 252 261 270
 GGC TAC TGC TCC GGC CTG ATT GAT AAC CTG ATC CGG CGG AGG CCG ATC GCG ACG
 G Y C S G L I D N L I R R R P I A T

 279 288 297 306 315 324
 GCT GGT TTG CAT CGC CAG NTT NTA TAT ATT ACG GCC TTT TTT TTT GCT GGA TAT
 A G L H R Q X X Y I T A F F F A G Y

 333 342 351 360 369 378
 TAT NTT GTA AAA CGT GAA GAC TAC CTG TAT GCT GTG AGG GAC CGT GAA ATG TTT
 Y X V K R E D Y L Y A V R D R E M F

 387 396 405 414 423 432
 GGA TAT ATG AAA TTA CAT CCA GAG GAT TTT CCT GAA GAA GAT AAG AAA ACA TAT
 G Y M K L H P E D F P E E D K K T Y

 441 450 459 468 477 486
 GGT GAA ATT TTT GAA AAA TTC CAT CCA ATA CGT TGA AGT CTT CAA AAT GCT TGC
 G E I F E K F H P I R

 495 504 513 522 531 540
 TCC AGT TTC ACT GAT ACC TGC TGT TTC TGA ATT TGA TGG AAC ATG TTT CTT ATG

 549 558 567 576
 ACA GTT GAA GCT TAT GCT AAT CTG TAT GTT GAC ACC 3'

FIGURE 4

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

UUCCT - 00032200

1	MAAAV	ARLW	-	-	WRG	ILGA	SALT	TRG	TGR	PSV	LLLP	VRR	RES	NDS-1	
1	MAAAV	AAAA	P	GCWQ	R	LVG	SAA	P	AR	V	AGR	PSV	LLLP	VRR	RES
39	AGAD	TRPT	VR	PRND	V	AH	KQ	L	S	A	F	G	E	Y	V
41	SAAD	TRPT	VR	PRND	V	AH	KQ	L	S	A	F	G	E	Y	V
79	SCFNE	LE	V	C	I	H	P	D	G	V	I	P	V	L	T
81	SCFNE	LE	I	C	I	H	P	D	G	V	I	P	V	L	T
119	VP	TRQ	NR	FE	I	V	Y	N	L	L	S	L	R	F	N
121	IP	TRQ	NR	FE	I	V	Y	N	L	L	S	L	R	F	N
159	VE	K	A	A	N	W	Y	E	R	E	I	W	D	M	F
161	VY	K	A	A	N	W	Y	E	R	E	I	W	D	M	F
199	RK	D	F	P	L	S	G	Y	V	E	L	R	Y	D	D
201	RK	D	F	P	L	S	G	Y	V	E	L	R	Y	D	D
239	WE	A	F	P	P	Y	R	Q	P	P	E	S	L	K	L
241	WE	A	F	P	P	Y	R	Q	P	P	E	S	L	K	L

FIGURE 5

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1	M	P	F	L	D	I	Q	K	R	F	G	L	N	I	D	R	W	L	T	I	Q	S	G	E	Q	P	Y	K	M	A	G	R	C	H	A	F	E	K	E	W	NDS-3 g224
1	M	P	F	F	D	V	Q	K	R	L	G	V	D	L	D	R	W	M	T	I	Q	S	A	E	Q	P	H	K	I	P	S	R	C	H	A	F	E	K	E	W	
41	I	E	C	A	H	G	I	G	Y	T	R	A	E	K	E	C	K	I	E	Y	D	D	F	V	E	C	L	L	R	Q	K	T	M	R	R	A	G	T	I	R	NDS-3 g224
41	I	E	C	A	H	G	I	G	S	I	R	A	E	K	E	C	K	I	E	F	E	D	F	R	E	C	L	L	R	Q	K	T	M	K	R	L	H	A	I	R	
81	K	Q	R	D	K	L	I	K	E	G	K	Y	T	P	P	P	H	H	I	G	K	G	E	P	R	P	NDS-3 g224														
81	R	Q	R	E	K	L	I	K	E	G	K	Y	T	P	P	P	H	H	S	G	Q	E	E	P	R	S															

FIGURE 7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

SECRET

1	MIA	-	R	R	N	P	E	P	L	R	F	L	P	D	E	A	R	S	L	P	P	P	K	L	T	D	P	R	L	L	Y	I	G	F	L	G	Y	C	NDS-4			
1	M	M	T	G	R	O	G	R	A	T	F	Q	F	L	P	D	E	A	R	S	L	P	P	P	K	L	T	D	P	R	L	A	F	V	G	F	L	G	Y	C	g582	
40	S	G	L	I	D	N	L	I	R	R	R	P	I	A	T	A	G	L	H	R	Q	X	X	Y	I	T	A	F	F	A	G	Y	Y	X	V	K	R	E	D	NDS-4		
41	S	G	L	I	D	N	A	I	R	R	R	P	V	L	L	A	G	L	H	R	Q	L	L	Y	I	T	S	F	V	F	V	G	Y	Y	L	L	K	R	Q	D	g582	
80	Y	L	Y	A	V	R	D	R	E	M	F	G	Y	M	K	L	H	P	E	D	F	F	P	E	E	D	K	K	T	Y	G	E	I	F	E	K	F	H	P	I	R	NDS-4
81	Y	M	Y	A	V	R	D	H	D	M	F	S	Y	I	K	S	H	P	E	D	F	F	P	E	K	D	K	K	T	Y	G	E	V	F	F	E	F	H	P	V	R	g582

FIGURE 8

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

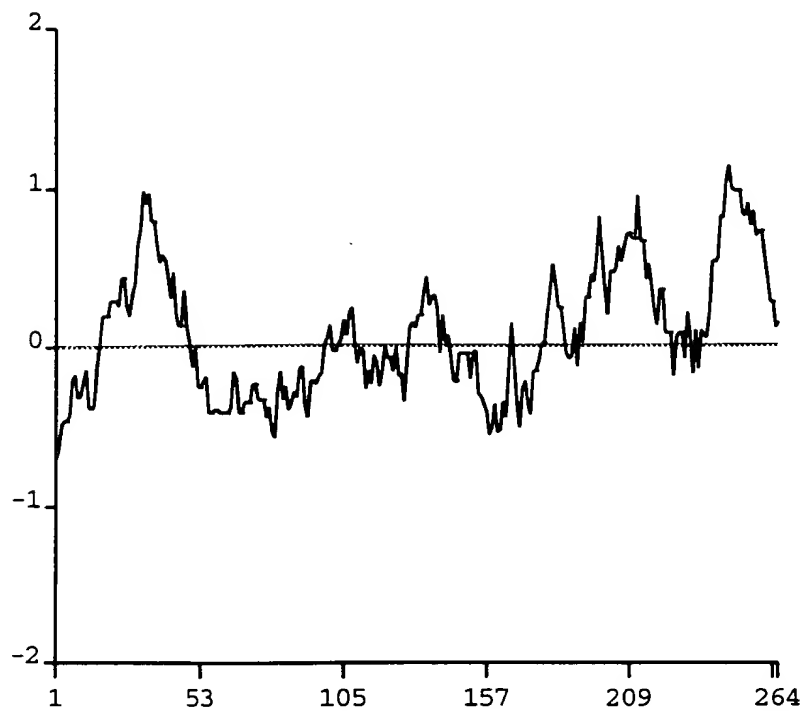


FIGURE 9A

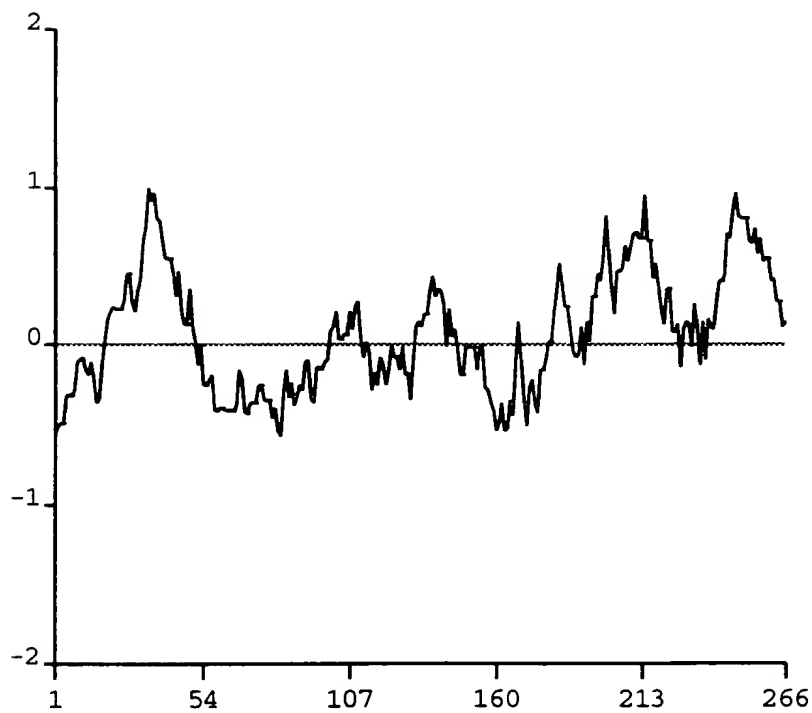


FIGURE 9B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

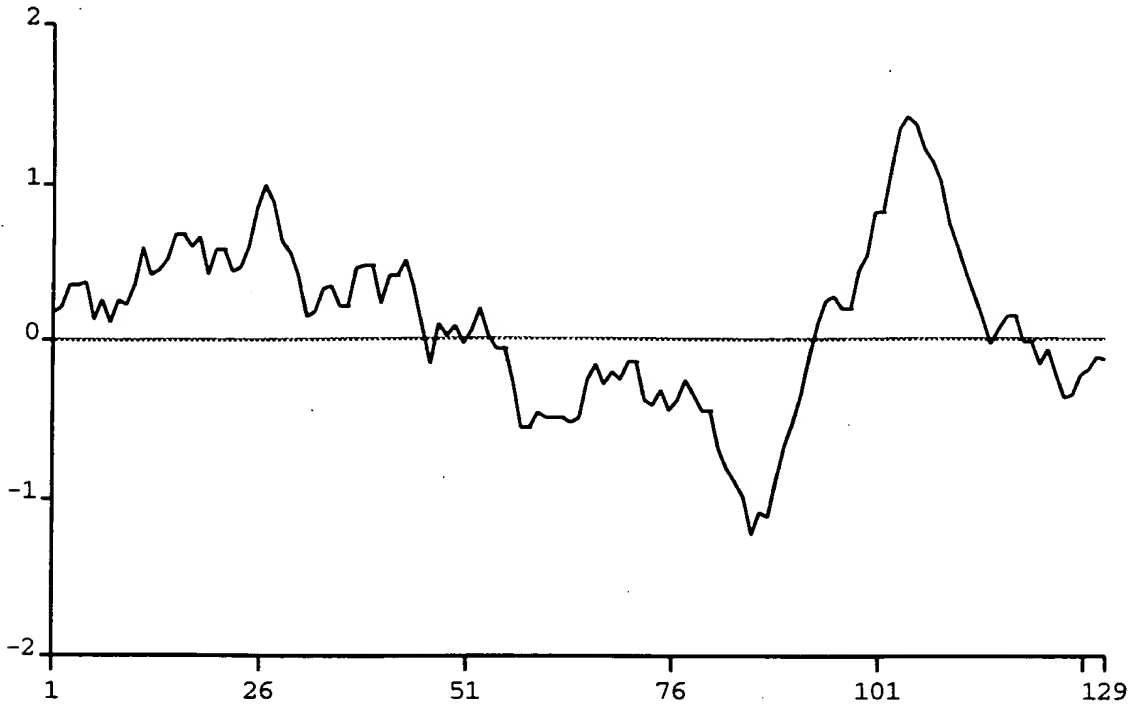


FIGURE 10A

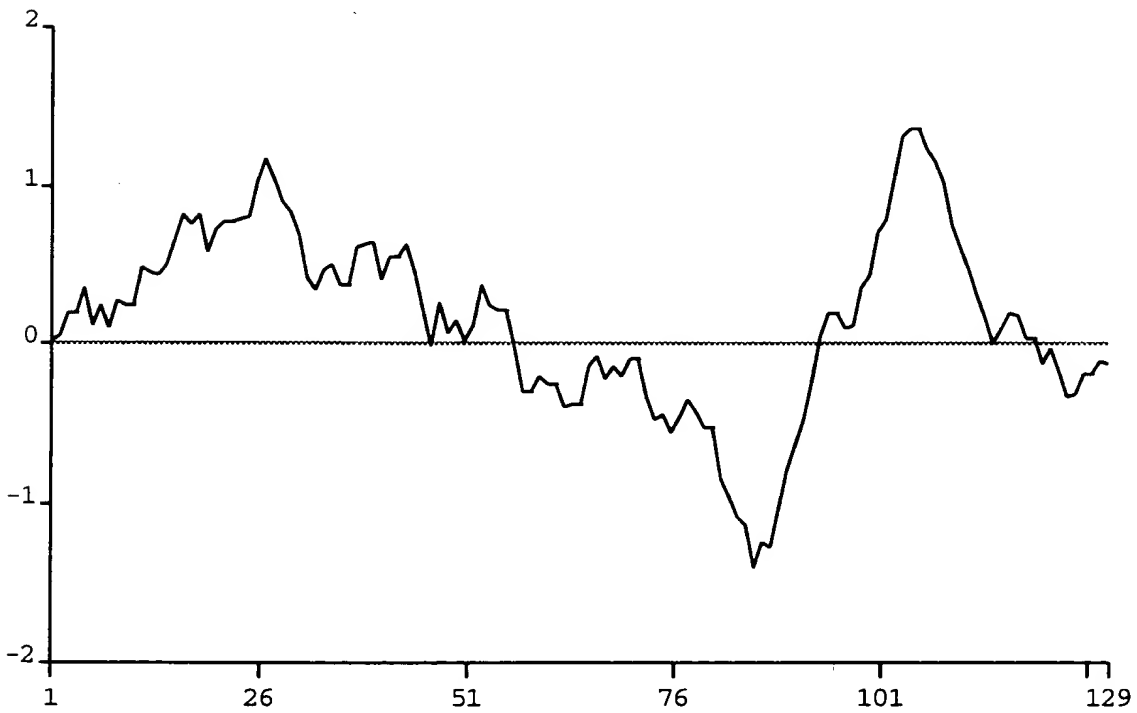


FIGURE 10B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

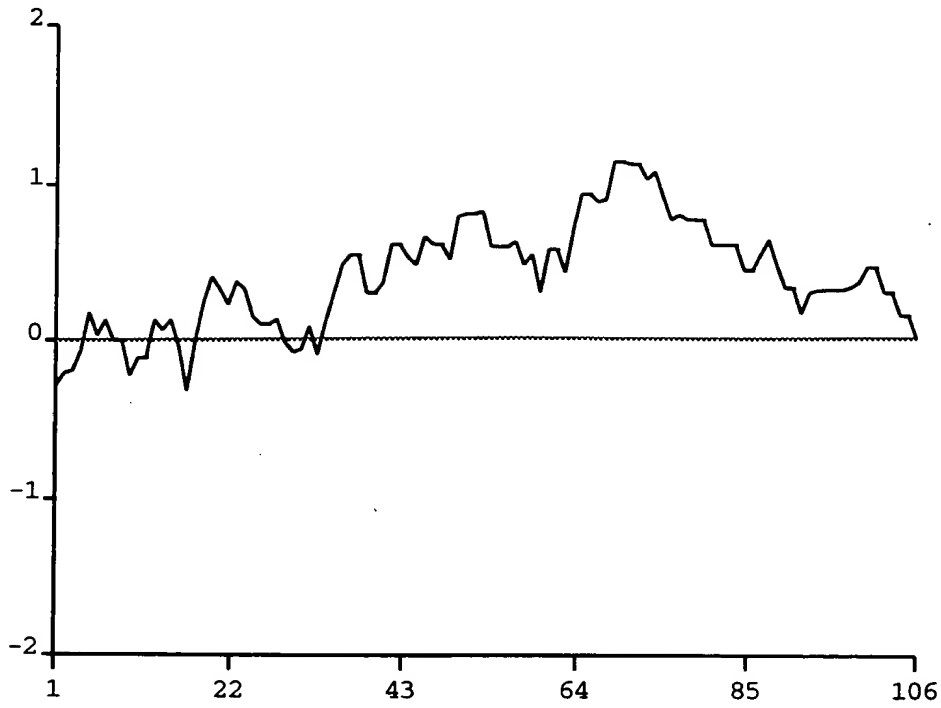


FIGURE 11A

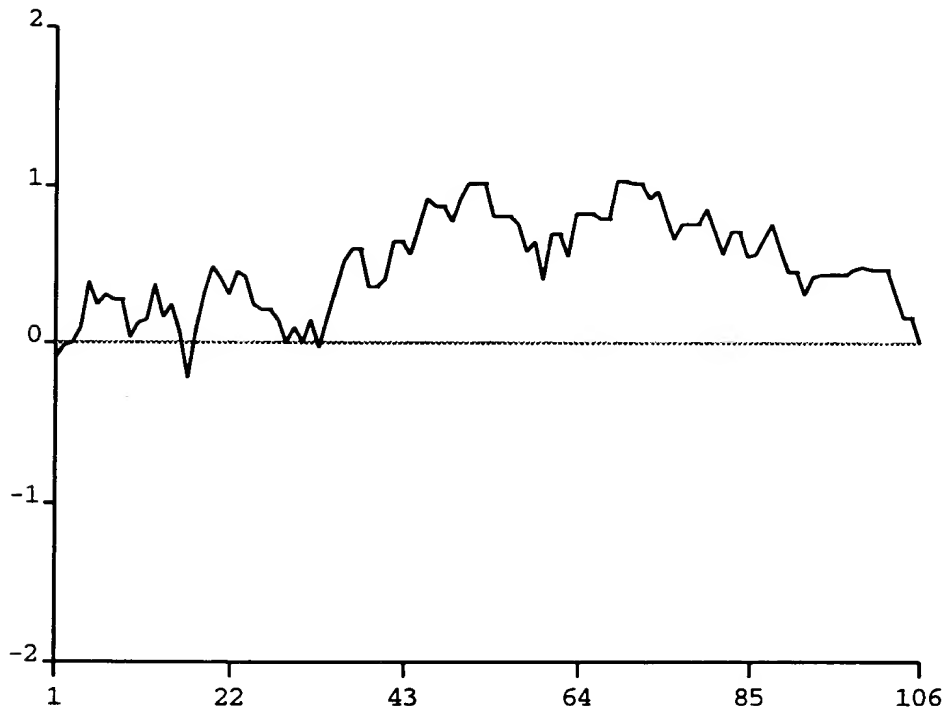


FIGURE 11B

